Human Brain Project

YOUNG RESEARCHERS EVENT
SIMULATION
ON DIFFERENT SCALES OF SPACE AND TIME

Budapest, Hungary
12.April.2016
Abstract submission deadline: 31.March.2016
Registration deadline: 04.April.2016

Space is limited and registration is required:

https://education.humanbrainproject.eu/
web/hbp-education-portal/young-research-
ers-budapest

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For enquiries contact:

education@humanbrainproject.eu

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PROGRAMME

08:00-09:00	**Registration**
09:00-09:15	**Welcome to the young researchers day** by Katrin Amunts, FZ Juelich
09:15-10:00	**Keynote Lecture** Requirements for a multi-scale simulation of the transition from deep-sleep to awakeness by Pier Stanislao Paolucci, INFN - Istituto Nazionale di Fisica Nucleare - Roma
10:00-10:15	**Coffee break**
10:15-12:15	**Simulation on different (time) scales** Within the HBP, several facilities are developed for simulations of neural networks. In this session, these facilities are presented on an introductory level. Plenary session.
	Simulator MIIND by Yi Ming Lai, University of Leeds
	Brian Simulator by Marcel Stimberg, Inserm
	Neuron by Srikanth Ramaswamy, EPFL
	NEST by Philipp Weidel, FZ Juelich
	BrainScales by Eric Müller/Vitali Karasenko, University of Heidelberg
	SpiNNaker by David Lester, University of Manchester
12:15-13:45	**Lunch**

No registration fees

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13:45-15:45	**Simulation in use** Following the introductions in the morning, the participants are given the opportunity for extensive demonstrations of different simulation tools. Sessions are taking place in parallel.
	Demo 1: SpiNNaker by David Lester, University of Manchester
	Demo 2: Neuron by Werner van Geit, EPFL
	Demo 3: BrainScales by Eric Müller/Vitali Karasenko, University of Heidelberg
	Demo 4: NEST by Philipp Weidel, FZ Juelich
	Demo 5: Brian Simulator by Marcel Stimberg, Inserm
15:45-16:45	**Community building session** Poster presentations and/or additional small live demos are encouraged
16:45-18:45	**Simulation in use** Following the introductions in the morning, the participants are given the opportunity for extensive demonstrations of different simulation tools. Sessions are taking place in parallel.
	Demo 1: SpiNNaker by David Lester, University of Manchester
	Demo 2: Neuron by Werner van Geit, EPFL
	Demo 3: BrainScales by Eric Müller/Vitali Karasenko, University of Heidelberg
	Demo 4: NEST by Philipp Weidel, FZ Juelich
	Demo 5: Brian Simulator by Marcel Stimberg, Inserm
18:45-19:00	**Wrap-up of the day** Speaker tbd

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